

FOREST MANAGEMENT



Location

Bldg. 7604, East End Road, Clarksville Base

FORESTRY PROJECTS

- **Forest Management**

- Timber Inventory
- Forest Product Sales

- **Forest Roads**

- Upgrade Dirt Firebreaks
- Reduce Erosion

- **Forest Protection**

- Wildfire Suppression
- Prescribed Burning
- Forest Insects

- **Urban Forestry**

- Tree Inventory
- Improve Tree Care
- Tree City, USA

FOREST **MANAGEMENT**

- Timber Inventory
- Forest Product Sales

CONTINUOUS FOREST INVENTORY



Permanent plots in training areas
across entire post

Series of nested circular plots
measuring different size classes
of trees

Estimates of tree growth,
mortality and forest change
through time since 1962

**KNOWING THE TRENDS IN FOREST HEALTH HELPS US MANAGE FOR A
SUSTAINABLE RESOURCE TO SUPPORT FUTURE TRAINING NEEDS.**

HARVESTING FOREST PRODUCTS



- Design hardwood and pine harvests to improve military mission requirements and attain sustained yield of forest products
- Harvest timber in cantonment areas to support construction and expansion
- Firewood cutting permits available

Federal Laws and Army Regulation require us to account for all forest products.

Sales benefit local communities; States and Counties receive entitlements from sale of forest products

Firewood Cutting Permits

- Determine where and when you want to cut firewood
- Obtain permit from Forestry Office, Bldg 7604, 798-2616, M-F 0730 - 1600 hrs
- Permits costs \$5.00/truckload
- During hunting season, check in with H&F office for safe locations to cut
- You may cut dead and down trees only
- Obtain and use appropriate safety and protective gear

FOREST PROTECTION

- Wildfire Suppression
- Prescribed Burning
- Forest Insects

WILDFIRES

CAUSES:

Troop Training
Carelessness
Wildlife
Arson



Illuminating Trip Flare Fire



Safety Range Regulation Governs

Troop Response to Fires

CAM Reg 385-5

- Read CAM Regulation
 - Chapters 3, 17 and 21 on range fires and pyrotechnics
- If a fire is started...
 - Stop training and try to suppress
 - Report all forest and grass fires to Range Control
 - Follow Fire Prevention Guidelines to prevent fires

FIRE PREVENTION GUIDELINES

CAM Reg 385-5 Table 3.2

Enclosure 1, Wildfire Prevention Guidelines and Waiver Approval Authority

Classification	Condition	Restrictions				Waiver Approval Authority
		South and North Impact Areas	Small Arms Impact Area Ranges	Training Areas and Urban Operations sites	Shoothouses, Demo Areas (Includes 39, 44G, 51B)	
Class I	Burn index 0-4	None	None	None	None	N/A
Class II	Burn index 5-9	None	None	None	None	N/A
Class III	Burn index 10-19	None	None	None	None	N/A
Class IV	Burn index 20-39 Winds less than 10 knots	HE only for indirect fire systems. Ball only except on RG 28, 29, 31, 41, 42C (CLF), 46, 50, 55C.	Ball only except ranges 10, 11, 26, 36A	Extreme caution when using blank ammunition and pyrotechnics	None	Installation Range Officer or Range Operations Officer
Class V	Burn index 20-39 Winds greater than 10 knots	HE or ball only. Powder charges or increments may only be burned on a hard surface. Ball only except on RG 28, 29, 31, 41, 46, 50, 55C. No 20mm or 40mm HE.	Ball only except ranges 10, 11, 26 and 36A. No 40mm HE.	No open fires No pyrotechnics No blank ammunition in Training Areas. (Blanks are authorized in Urban Operations Sites)	None	DPTMS or his designated Deputy
Class VI	Burn index 40-100 Winds less than 20 knots	HE (Indirect fire and Avn Gun) or ball (direct fire) only	No tracers, No 40mm HE	Same as class V	No firing on Demo Areas. No restrictions in Shoothouses	Garrison Commander
Class VII	Burn index 40-100 Winds greater than 20 knots	No firing	No firing	Same as class V	No firing	Senior Commander

AERIAL GUNNERY: All targets will be a minimum of 1 km inside the impact area when firing missiles during class VI days.

Firebreaks Contain Wildfires



Fire Tower

- Located in TA 10
- 100' tower manned during duty hours
October – April
- Operator spots fires and smoke
- Maintains commo between ground crews



Prescribed Burning vs. Wildfire

Prescribed fires occur under controlled conditions. Containment lines are designed to prevent fire's escape. Crews are assigned and equipped to complete the job safely.



Prescribed Fire

- **WHY ?**
- Open areas for troop use
- Reduce fuel buildup
- Generate new growth
- Improve habitat
- Cost effective method to manage vegetation
- **SAFETY IS KEY !**
- Schedule with units to avoid mission and training impacts
- Predict smoke conditions and monitor air quality
- Maintain good commos with Range Control, Units and Ground Crews

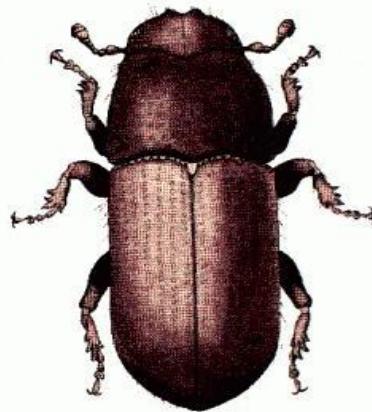
Forest Insects

- Invasive insects could damage or destroy forested training land
- Destruction of native forests would impact realistic training habitat for military

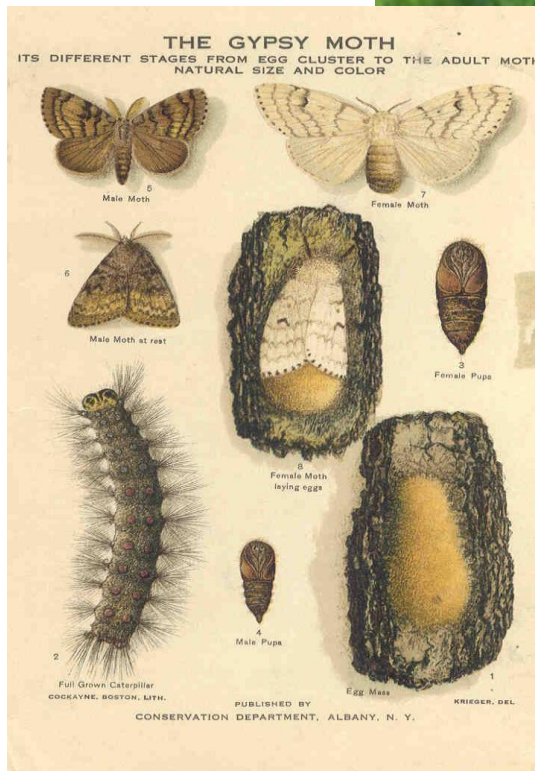
Southern Pine Beetle



Beetle is about the size
of a grain of rice



Gypsy Moth



Defoliates
and Kills
Hardwoods



MORE FOREST PROTECTION

- Remove ropes and wires from around trees after use
- Do not drive nails or metal into trees; use springs instead of nails for trip flares
- Do not run over or into standing trees
- Do not damage trees with axes or knives
- **DO NOT CUT STANDING TREES**



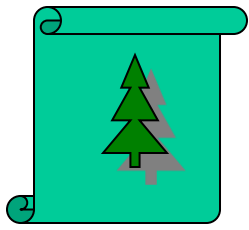


URBAN FORESTRY PROGRAM

Developed to Manage Trees in Cantonment Area

- Urban Forestry Program and DPW manage trees in housing and barracks areas
- Cooperative effort with FCFH to improve health and aesthetics of urban forest
- Do not top or cut without permission
- Do not insert wires or nails into trees
- Keep mowers and weed eaters from damaging tree stems and roots

POC: Bruce Franklin, Certified Arborist



Arbor Day Celebration Fort Campbell, KY

Tree City, USA

- Arbor Day Proclamation
- Implement urban tree inventory
- Develop work plan to care for trees in cantonment area



What Can I Do as an EQO?

- Report all fires to Range Control
- Police your area for litter before and after training activity
- Pick up barbed wire, concertina, commo and trip wires after training activity
- Stay on established roads and trails with vehicles; avoid drains and wetlands
- Use camouflage netting – NOT vegetation

...More EQO Responsibilities

- Remove all UXO that have not been discharged
- If you MUST use vegetation for camouflage, use only branches from pine, cedar, sumac
- BE AWARE – Capability of the land to support continued training depends on your wise use of it during training exercises



Next Steps

READ: *The Environmental Handbook;*

READ: *AR 200-3, “Natural Resources - Land, Forest and Wildlife Management;*

READ: *CAM Reg. 385-5, Safety, Range Regulation, Chapter 21.*

Questions?

*For more information about Fort Campbell's
Forestry or Fire Programs, call*

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